

ADHERMUL (C60B3 TER)

EMULSIONS ■ THERMOADHERENT TACK COATS

DEFINITION:

Fast breaking, thermo-adhesive cationic bituminous emulsion for use as a tack coat, which meets the specifications included in article 214 of the PG-3 and in standard UNE EN 13808:2013/1M: 2014 for a C60B3 TER type emulsion.

SPECIFICATIONS:

Characteristics	Unit	Standard	Min.	Max.
Original Emulsion				
Particle polarity	-	UNE EN 1430	Positive	
Breaking value (Forshammer filler)	-	UNE EN 13075-1	70	155
Efflux time (2 mm, 40 °C)	s	UNE EN 12846	15	70
Binder content (per water content)	%	UNE EN 1428	58	62
Residue on sieving (0.5 mm)	%	UNE EN 1429	-	0.10
Settling tendency (7 days storage)	%	UNE EN 12847	-	10
Water effect on binder adhesion	%	UNE EN 13614	90	-
Binder after distillation (UNE EN 1431)				
Penetration (25 °C; 100 g; 5 s)	0.1 mm	UNE EN 1426	-	50
Softening point	°C	UNE EN 1427	50	-
Evaporation residue (UNE EN 13074-1)				
Penetration (25 °C; 100 g; 5 s)	0.1 mm	UNE EN 1426	-	50
Softening point	°C	UNE EN 1427	50	-
Stabilizing residue (UNE EN 13074-2)				
Penetration (25 °C; 100 g; 5 s)	0.1 mm	UNE EN 1426	-	50
Softening point	°C	UNE EN 1427	50	-

(*) Efflux times from 40 to 130 s are allowed for 2 mm at 40 °C.

APPLICATIONS:

- High performance tack coats between hot asphalt mix layers.

GUIDING WORKING TEMPERATURES:

- Application temperature (°C): 20 - 60. Within this range, it is not necessary to heat the emulsion to apply it, but if this is done, special care should be taken not to exceed the limit of 60°C. For this, it is advisable that the emulsion be heated by means that ensure control over the temperature and an even temperature across the emulsion, avoiding spot overheating that could deteriorate it.

GUIDING AMOUNTS:

- 300 – 400 g/m² of emulsion, depending on the condition of the surface and PG-3 recommendations.
- Note: On milled pavements, in order to avoid an excess of emulsion from settling in the grooves created, special care will be taken to apply the coat, opting for a two-coat application, if necessary.
- High amounts can lead to greater stickiness of the residual binder for traffic.

RECOMMENDATIONS:

- Cleaning of the base surface, especially when the tack coat is applied on milled pavements.
- Application of the coat with spraying lance will be avoided.
- Equipment adequate for a good dose, with injectors that are clean and in good condition.
- Clean the pipes and diffusers immediately after application of the coat.
- The application of the following asphalt mix, or the site vehicles traffic will take place based on the state of the base surface and the weather conditions, between 10 min and approximately one hour after the application of the emulsion.
- Do not store for more than 15 days. After 7 days the homogeneity of the stored product must be guaranteed by the appropriate means (see relevant PG-3 recommendation).

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